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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/600,257	06/20/2003		Shanta M. Modak	A33432-A-PCT-USA-A (07005	7493
21003	7590	12/21/2004	EXAMINER		INER
BAKER & I		Δ7Δ	AZPURU, CARLOS A		
30 ROCKEFELLER PLAZA NEW YORK, NY 10112				ART UNIT	PAPER NUMBER
			1615	1615	

DATE MAILED: 12/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
	10/600,257	MODAK ET AL.						
Office Action Summary	Examiner	Art Unit						
	Carlos A. Azpuru	1615						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl' - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time y within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).						
Status								
1)☐ Responsive to communication(s) filed on 2a)☐ This action is FINAL . 2b)☑ This 3)☐ Since this application is in condition for alloware closed in accordance with the practice under Expression in the practice of the practi	action is non-final. nce except for formal matters, pro							
Disposition of Claims								
4) ⊠ Claim(s) <u>1-63</u> is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-24 and 26-63</u> is/are rejected. 7) ⊠ Claim(s) <u>25</u> is/are objected to. 8) □ Claim(s) are subject to restriction and/o	wn from consideration.							
Application Papers	ys to the second							
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). sected to. See 37 CFR 1.121(d).						
Priority under 35 U.S.C. § 119	•							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Application in the second	on No ed in this National Stage						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:							

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DETAILED ACTION

Receipt is acknowledged of the preliminary amendment filed 06/20/2003.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-3, 21 and 22. are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-4 of U.S. Patent No. 6,706,024 (US'024). Although the conflicting claims are not identical, they are not patentably distinct from each other because US'024 claims a polymeric medical article which has been impregnated with a treatment solution comprising between 1 and 5 percent of chlorhexidine wherein the chlorhexidine consists essentially of a mixture of chlorhexidine free base and a chlorhexidine salt (see claim 1). The mixture of chlorhexidine free base and chlorhexidine salt

Is in a 1:1 to 1:5 weight/weight ratio, wherein the total weight of chlorhexidine is between 1 and 10 percent of the weight of the impregnating solution (see claim 2). Solvent selected may be water, reagent alcohol, and tetrahydrofuran (see claim 2). There

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are no unusual and or unexpected results which would rebut prima facie obviousness.

Those of ordinary skill would have therefore expected similar therapeutic results form the use of the instantly claimed medical article. The instant claims would have been obvious given the claims of US'024.

Claims 1-24, 26-63 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-22 of copending Application No. 09/746,670 (US'670). Although the conflicting claims are not identical, they are not patentably distinct from each other because US'670 claims an antimicrobial medical article by treating the polymeric article with a solution of one or more solvents and a mixture of chlorhexidine free base and a water soluble chlrohexidine salt, wherein the ratio of chlorhxidine free base and water soluble chlorhexidine salt in solution is between 1:1 to 1:5 (see claim 1) Solvents may include water, alcohol, tetrahydrofuran, dimethylsulfoxide, dimethyl formamide, N-methyl-2-pyrrolidone and mixtures thereof (see claim 3). Various mixtures of these solvenst are set out in claims 4-7. The article may be a catheter. The water soluble chlorhexidine salt is set out as chlorhexidine diacetate in claims 11-13. The medical article is claimed as polymeric in claim 14. Polytetrafluorethylene is used as the polymer in claims 15-16. Antiinflammatory agents are added to the mixture at claims 17-19 at a concentration of between 0.1 and 5 percent (see claims 17 and 19). The methods of preparation involve similar steps of filling or soaking the article to expose it to the chlorhexidine solution.) Those of ordinary skill would have therefore expected similar therapeutic results form the

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use of the instantly claimed medical article. The instant claims would have been obvious given the claims of US'670.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-9, 11-15, 17, 19-23, 26-30, 32-34, 38-63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Solomon et al (US 6,261,271).

Solomon et al discloses an anti-infective medical article comprising chlorhexidine bulk distributed throughout a polyurethane base layer which may additionally have a coating layer. The coating layer may be chlorhexidine permeated and may also contain an antibiotic or antithrombogenic agent. A polymeric surface layer may also be laminated to this base layer (see Abtstract).

Preferred articles are polymeric, most preferably a hydrophilic polymeric vascular catheter (see col. 4, lines 6-7). The melt extruded composition may contain about 0.05 to 10%, preferably about 1 to 5% by weight chlorhexidine, and may be prepared in any suitable way (see col. 4, lines 56-61). The article may be steeped in a solvent solution of chlorhexidine in order to permeate the polymer. An effective coating of chlorhexidine

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may be obtained when steeping a solution which contains from about 1-25%, preferably 5-15% chlorhexidine. The choice of solvent depends on the method of coating and the temperature of the steeping solution. Suitabel colvents for this solution include water, methylene chloride and methanol. For chlorhexidine salts such as hydrochloride, acetate or gluconate, the suitable solvents are methanol, ethanol and water. Steeping my be carried out for about 2 mins to 2 hours at a temperature of about 15 to 60 deg. C. It is therefore evident that coating of the medical article may occur at any portion, depending on which section of the article is steeped in the chlorhexidine solution. Solomon does not disclose that the weight ration of chlorhexidine free base to chlorhexidine salt is between 1:1 to 1:5. However, since both are contemplated by Solomon et al, those of ordinary skill would have found it within their skill to optimize the concentration of these known components of the solution of Solomon et al in order to obtain the coating which is instantly claimed. Barring unexpected results, there is not showing that the claimed criticality is not a mere optimization of a known composition used for the same art recognized purpose. The instant claims would have been obvious given the disclosure of Solomon et al.

Claim 25 is objected to as dependent upon a rejected base claim.

It is noted that serial number 09/618,432 may involve some double patenting issues, however the claims of that case were unavailable for examination at this time. Applicant is requested to forward a copy of those claims for review.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos A. Azpuru whose telephone number is (571) 272-0588. The examiner can normally be reached on Tu-Fri, 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman K Page can be reached on (571) 272-0602. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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